### WORK INSTRUCTION

Title: Chasing ICV/OCV Coupling, Fitting, and Insert Threads

Instruction No. CH.04 Rev. 0.1, May 2004 Page 1 of 4

Approved for Use by: Michael R. Brown Effective Date: May 10, 2004

### Applicable Drawings:

- 2077-500SNP (Sheets 4 and 9) TRUPACT-II Packaging SARP Drawings
- 707-SAR (Sheets 5, 11, and 12) HalfPACT Packaging SARP Drawings

# SARP Requirements:

None. Threads will be repaired if damaged.

#### Tools Required:

Note: All taps to be plug or bottom type and shall be compatible for use on stainless steel.

- 1/2-in. 20 UNF tap
- 9/16-in. 18 UNF tap
- 7/8-in. 14 UNF tap
- 1-3/16-in. 12 UN tap
- 1-3/8-in. 12 UNF tap
- 1-1/2-in. NPT pipe tap
- Tap handle
- 1/2-in, stainless steel tube brush
- 9/16-in. stainless steel tube brush
- 7/8-in, stainless steel tube brush
- 1-3/16-in, stainless steel tube brush
- 1-3/8-in. stainless steel tube brush
- 1-3/4-in, stainless steel tube brush

# Spare Parts Required:

None

#### Materials Required:

- Tapping fluid (Tap Magic® or equivalent type appropriate for stainless steel)
- Denatured alcohol or equivalent
- Lint-free rags
- 320 600 grit emery cloth
- Nickel bearing lubricant

#### Safety Requirements:

Safety will be observed in accordance with site requirements.

## Prerequisite Conditions:

 OCV/ICV lids, covers, and plugs must be removed as applicable to allow access to damaged threads.

# **Instruction Steps:**

 This instruction is not required to be attached to the Maintenance Record but may be used as a checklist during performance of maintenance.

- 10.0 Visually inspect test port plug threads to ensure threads are not damaged. Replace plug in accordance with Work Instruction CH.01 if needed.
- 11.0 Insert test port plug. Ensure plug seats fully. Remove plug.
- 12.0 Repeat applicable steps of this instruction as needed to complete job.

bottom tap and repeat applicable parts of Steps 2 through 8 as needed.

- 2.0 Apply tapping fluid to threads being chased.
- 3.0 Insert 1-3/16-in. 12 UN plug tap into threads by hand, rotating clockwise until snug. Ensure tap is engaged straight.
- 4.0 Install tap handle on tap and rotate 1/4 turn clockwise, then reverse 1/4 turn to break edges.
- 5.0 Continue insertion/removal of tap until threads are repaired.
- 6.0 Remove tap.
- 7.0 Using emery cloth, lightly polish threads to remove sharp edges.
- 8.0 Clean threads to remove cuttings using alcohol, 1-3/16-in. stainless steel tube brush, and lint-free rags.
- 9.0 If threads at the bottom were not repaired using plug tap, insert 1-3/16-in. 12 UN bottom tap and repeat applicable parts of Steps 2 through 8 as needed.
- 10.0 Visually inspect OCV vent port cover threads to ensure threads are not damaged. Replace vent port cover in accordance with Work Instruction CH.01 if needed.
- 11.0 Insert OCV vent port cover. Ensure cover seats fully. Remove cover.
- 12.0 Repeat applicable steps of this instruction as needed to complete job.

# 12.0 Repeat applicable steps of this instruction as needed to complete job. Verification Requirements:

1.0 Work performed is described on Maintenance Record.

11.0 Insert ICV vent port cover. Ensure cover seats fully. Remove cover.

2.0 Work Instruction is listed on the Maintenance Record.